

FIG. 1

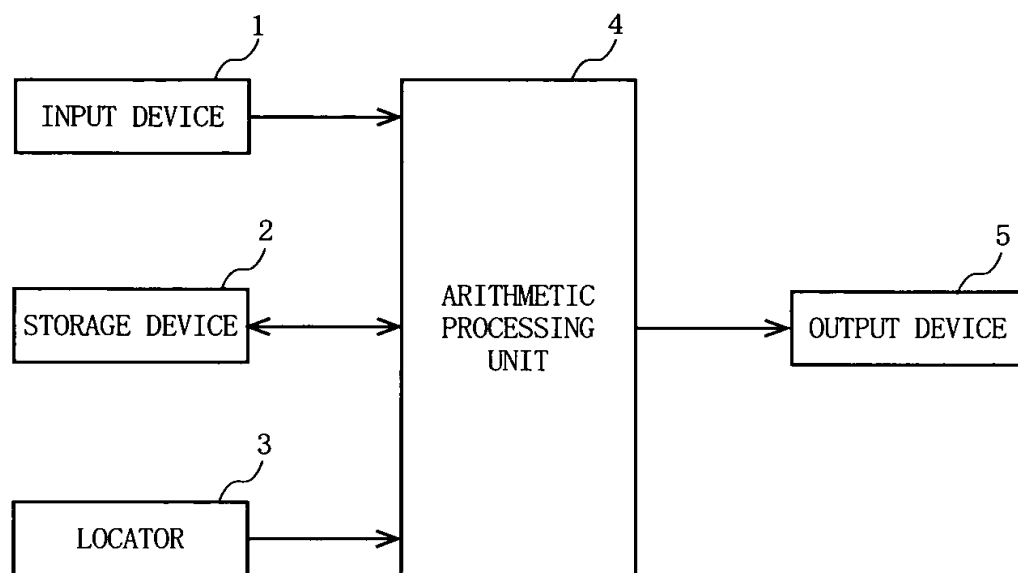


FIG. 2

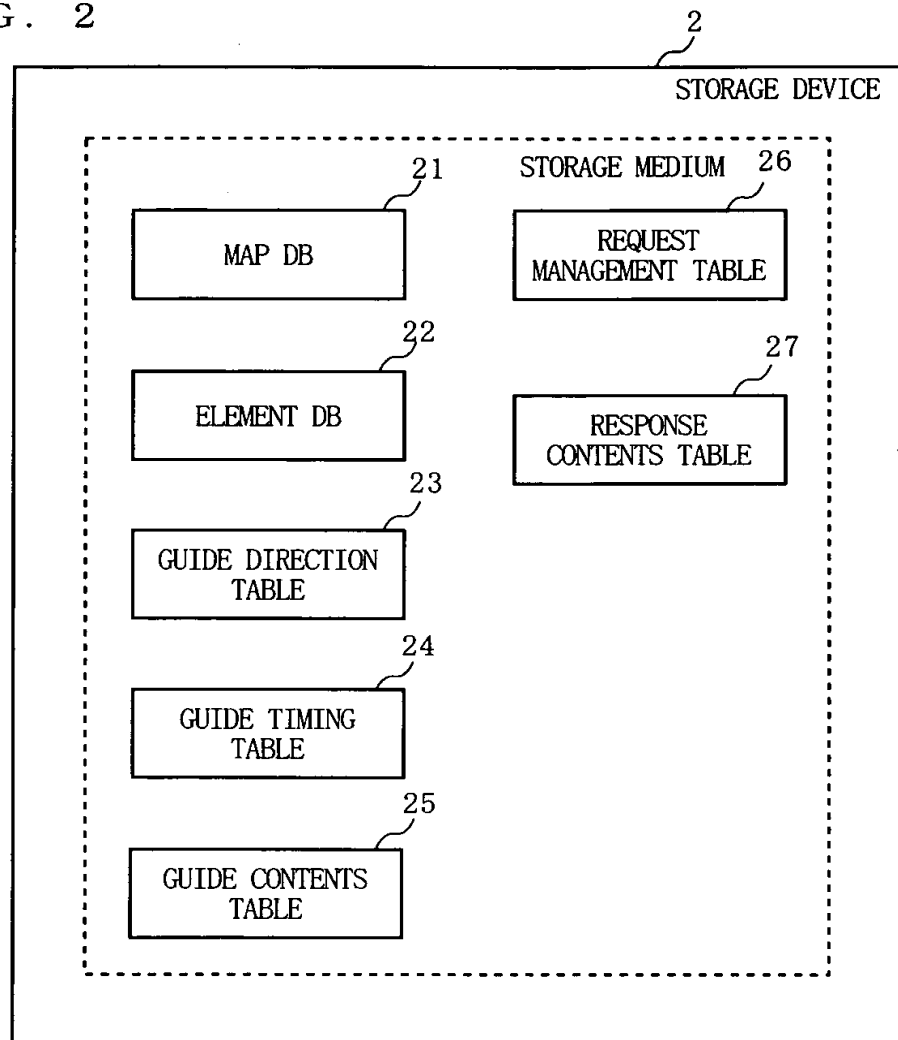


FIG. 3

ELEMENT NUMBER	PHRASE
1	ONSEI ANNAI WO
2	KAISHI SHIMASU
3	SHUURYOU SHIMASU
4	OYOSO
5	KONOSAKI
6	MAMONAKU
7	5KM DE
8	2KM DE
9	1KM DE
10	700M DE
11	500M DE
12	300M DE
13	MEJIRUSHI
14	MOKUTEKICHI
15	SOUKOU KYORI WA
16	SHOYOU JIKAN WA
17	RYOUKIN WA
18	DESU
19	KM
20	M
21	JIKAN
22	HUN
23	EN
24	ATO
25	HAI
26	IIE
...	...
101	HIDARI NANAME ZENPOU
102	HIDARI HOUKOU
103	HIDARI NANAME KOUHOU
104	U TAAN HOUKOU
105	MIGI NANAME KOUHOU
106	MIGI HOUKOU
107	MIGI NANAME ZENPOU
...	...
201	KONBINIENSU SUTOA GA
202	GASORIN SUTANDO GA
...	...
210	FAMIRII RESUTORAN GA
...	...

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ELEMENT NUMBER	PHRASE
301	100000
302	90000
...	...
...	...
...	10000
...	9000
...	...
...	1000
...	900
...	...
...	100
...	90
...	...
345	10
...	9
...	...
346	1
...	...
1001	A KOUSA TEN WO
1002	B CHOU WO
1003	C DOORI WO
...	...

FIG. 4A

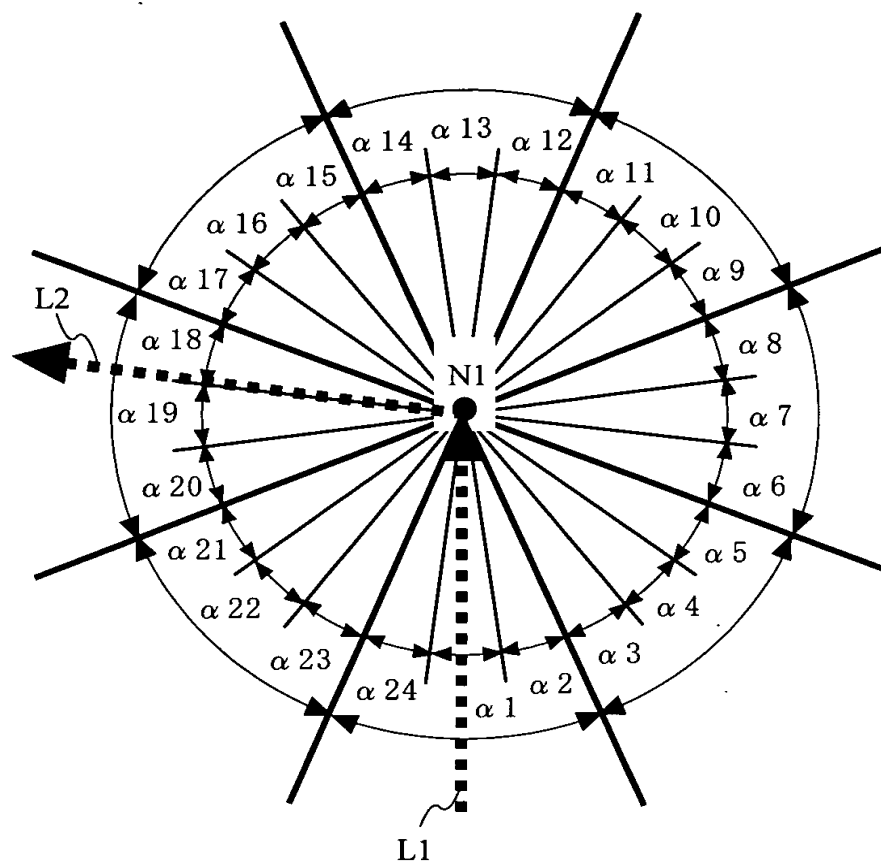


FIG. 4B

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GUIDE DIRECTION TABLE	
ANGULAR RANGE	GUIDE DIRECTION
$\alpha 12 - \alpha 14$	CHOKUSHIN HOKOU (STRAIGHTFORWARD) (NO GUIDANCE)
$\alpha 15 - \alpha 17$	HIDARI NANAME ZENPOU (DIAGONALLY FORWARD LEFT)
$\alpha 18 - \alpha 20$	HIDARI HOKOU (LEFT)
$\alpha 21 - \alpha 23$	HIDARI NANAME KOUHOU (DIAGONALLY BACKWARD LEFT)
$\alpha 24, \alpha 1, \alpha 2$	U TAAN HOKOU (U-TURN DIRECTION)
$\alpha 3 - \alpha 5$	MIGI NANAME KOUHOU (DIAGONALLY BACKWARD RIGHT)
$\alpha 6 - \alpha 8$	MIGI HOKOU (RIGHT)
$\alpha 9 - \alpha 11$	MIGI NANAME ZENPOU (DIAGONALLY FORWARD RIGHT)

FIG. 5

GUIDE TIMING TABLE
AT THE START OF ROUTE GUIDANCE
700M BEFORE GUIDE OBJECT INTERSECTION
300M BEFORE GUIDE OBJECT INTERSECTION
100M BEFORE GUIDE OBJECT INTERSECTION
2KM BEFORE DESTINATION POINT
1KM BEFORE DESTINATION POINT
100M BEFORE DESTINATION POINT

FIG. 6

GUIDE CONTENTS TABLE						
GUIDE TIMING		ELEMENT NUMBER (REPRODUCED FROM LEFT TO RIGHT)				
AT THE START OF ROUTE GUIDANCE		1	2			
BEFORE GUIDE OBJECT INTERSECTION	700m	4	10	*j	18	
	300m	4	12	*j	18	
	100m	5	*j	18		
BEFORE DESTINATION POINT	2km	4	8	14	18	
	1km	4	9	14	18	
	100m	6	14	18	1	3

FIG. 7

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REQUEST MANAGEMENT TABLE		
CONTENT OF GUIDE REQUEST	INPUT TIMING	NUMBER OF TIMES OF INPUT
"MEJIRUSHI WA? (WHAT IS THE LANDMARK?)"	—	N1
"KOUSA TEN NO NAMA E WA? (WHAT IS THE NAME OF THE INTERSECTION?)"	—	N2
"SHOYOU JIKAN WA? (HOW LONG DOES IT TAKE?)"	AT THE START OF ROUTE GUIDANCE	N3
	AFTER THE START OF ROUTE GUIDANCE	N4
"KYORI WA? (HOW FAR IS IT?)"	AT THE START OF ROUTE GUIDANCE	N5
	AFTER THE START OF ROUTE GUIDANCE	N6
"KOKO? (IS IT HERE?)"	JUST BEFORE NON-GUIDE OBJECT INTERSECTION	N7
	JUST BEFORE GUIDE OBJECT INTERSECTION	N8

FIG. 8

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RESPONSE CONTENTS TABLE						
CONTENT OF GUIDE REQUEST	INPUT TIMING	ELEMENT NUMBER				
"MEJIRUSHI WA? (WHAT IS THE LANDMARK?)"	—	*k	13	18		
"KOUSA TEN NO NAMA E WA? (WHAT IS THE NAME OF THE INTERSECTION?)"	—	*m	18			
"SHOYOU JIKAN WA? (HOW LONG DOES IT TAKE?)"	AT THE START OF ROUTE GUIDANCE	16	4	*n	22	18
	AFTER THE START OF ROUTE GUIDANCE	24	4	*n	22	18
"KYORI WA? (HOW FAR IS IT?)"	AT THE START OF ROUTE GUIDANCE	15	4	*s	19	18
	AFTER THE START OF ROUTE GUIDANCE	24	4	*s	19	18
"KOKO? (IS IT HERE?)"	—	*p				

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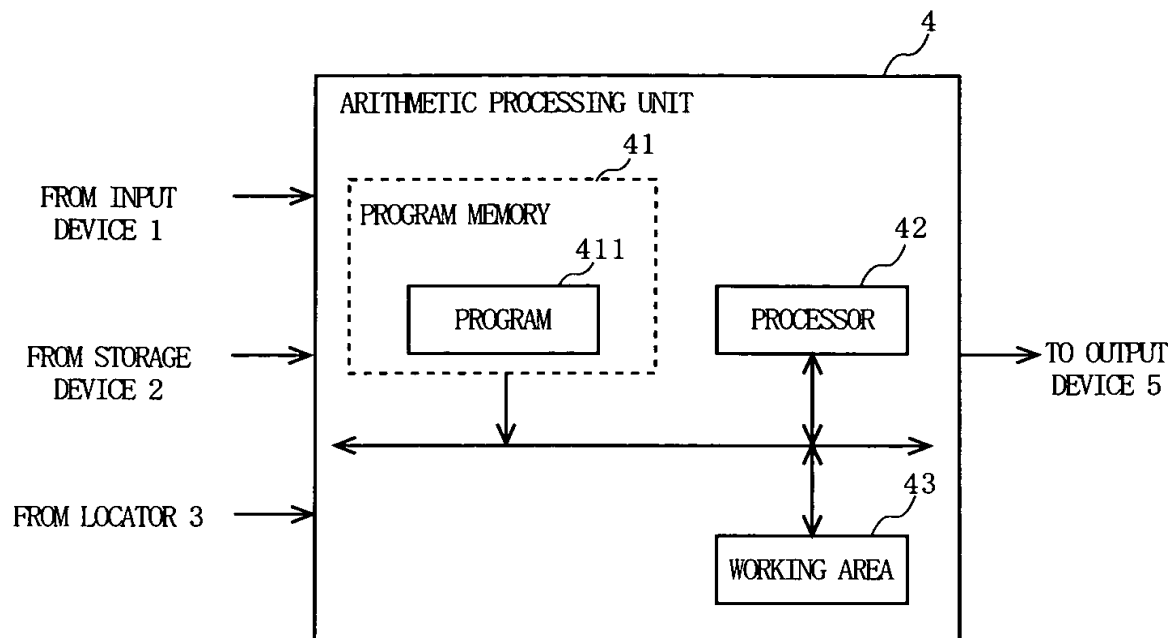


FIG. 10A

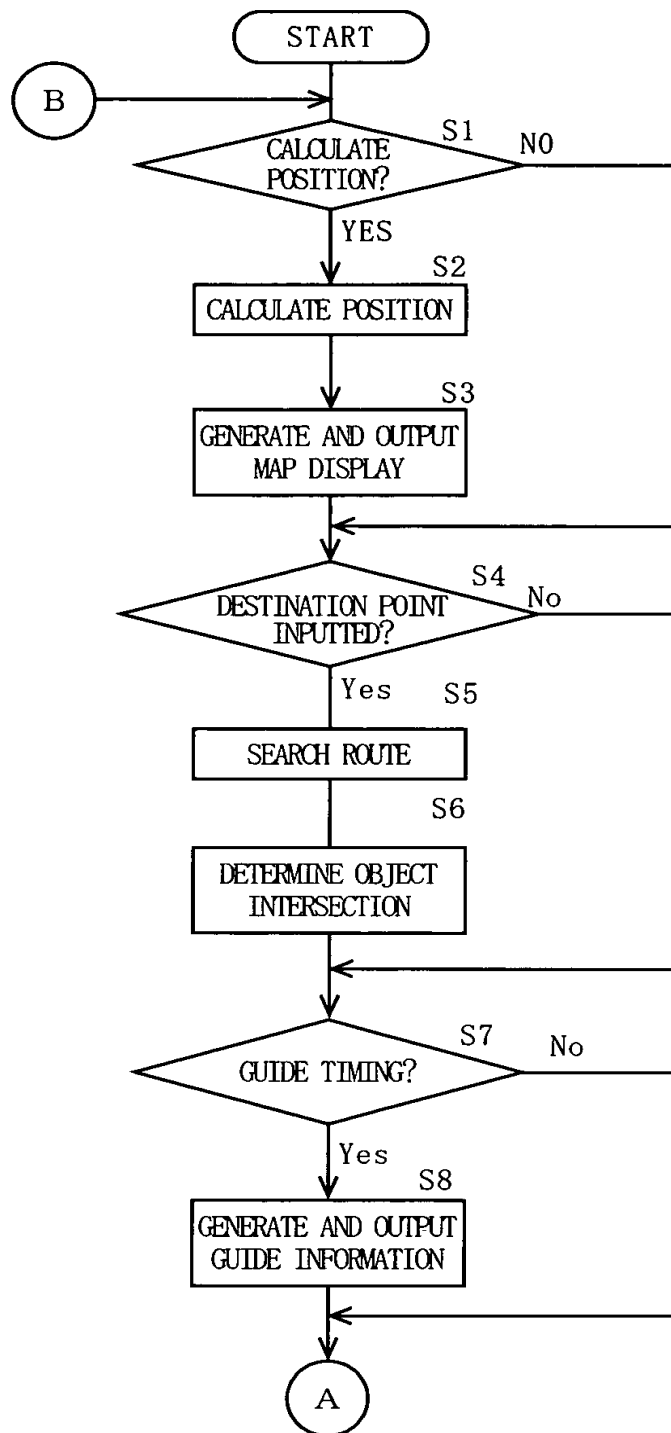


FIG. 10B

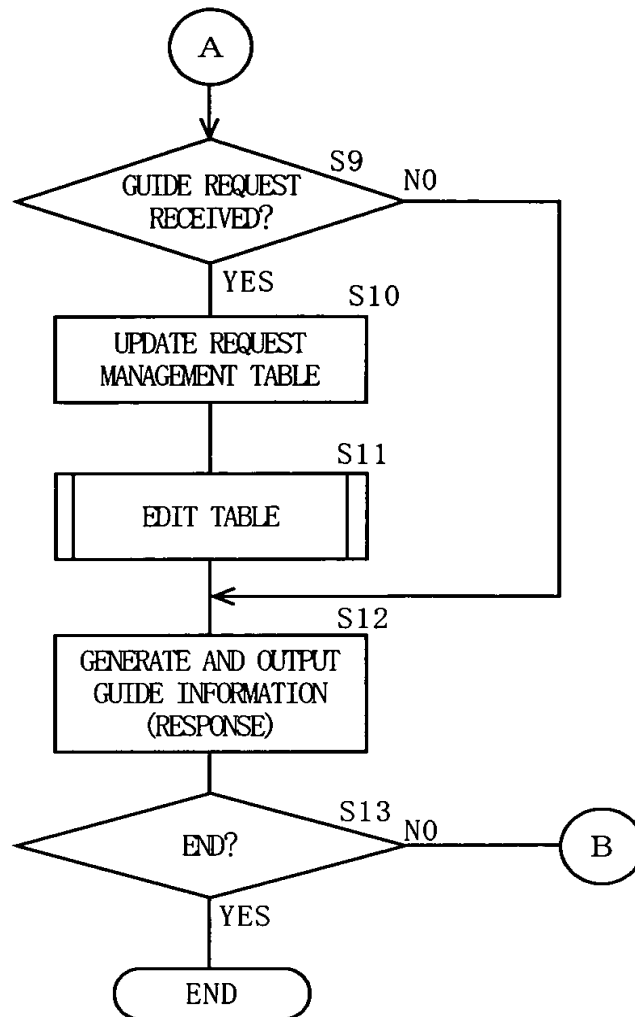


FIG. 11

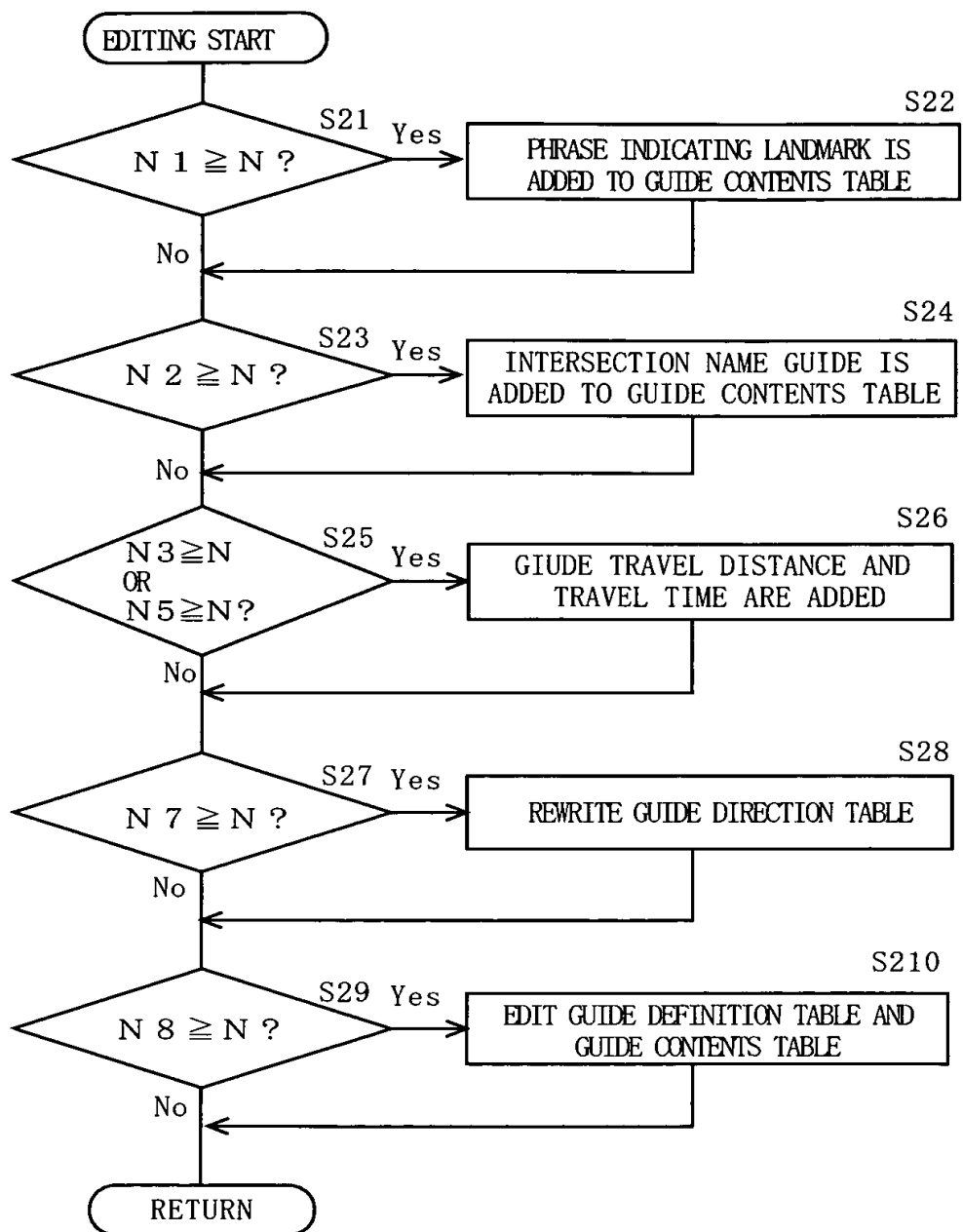


FIG. 12

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GUIDE CONTENTS TABLE									
GUIDE TIMING		ELEMENT NUMBER (REPRODUCED FROM LEFT TO RIGHT)							
AT THE START OF ROUTE GUIDANCE		1	2						
BEFORE GUIDE OBJECT INTERSECTION	700m	4	10	*j	18	*q	13	18	
	300m	4	12	*j	18	*q	13	18	
	100m	5	*j	18	*q	13	18		
BEFORE DESTINATION POINT	2km	4	8	14	18				
	1km	4	9	14	18				
	100m	6	14	18	1	3			

FIG. 13

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GUIDE CONTENTS TABLE						
GUIDE TIMING		ELEMENT NUMBER (REPRODUCED FROM LEFT TO RIGHT)				
AT THE START OF ROUTE GUIDANCE		1	2	161		
BEFORE GUIDE OBJECT INTERSECTION	700m	4	10	*r	*j	18
	300m	4	12	*r	*j	18
	100m	5	*r	*j	18	
BEFORE DESTINATION POINT	2km	4	8	14	18	
	1km	4	9	14	18	
	100m	6	14	18	1	3

FIG. 14

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GUIDE CONTENTS TABLE										
GUIDE TIMING		ELEMENT NUMBER (REPRODUCED FROM LEFT TO RIGHT)								
AT THE START OF ROUTE GUIDANCE		1	2	15	*s	19	16	*n	22	18
BEFORE GUIDE OBJECT INTERSECTION	700m	4	10	*j	18	171				
	300m	4	12	*j	18					
	100m	5	*j	18						
BEFORE DESTINATION POINT	2km	4	8	14	18					
	1km	4	9	14	18					
	100m	6	14	18	1					

FIG. 15 A

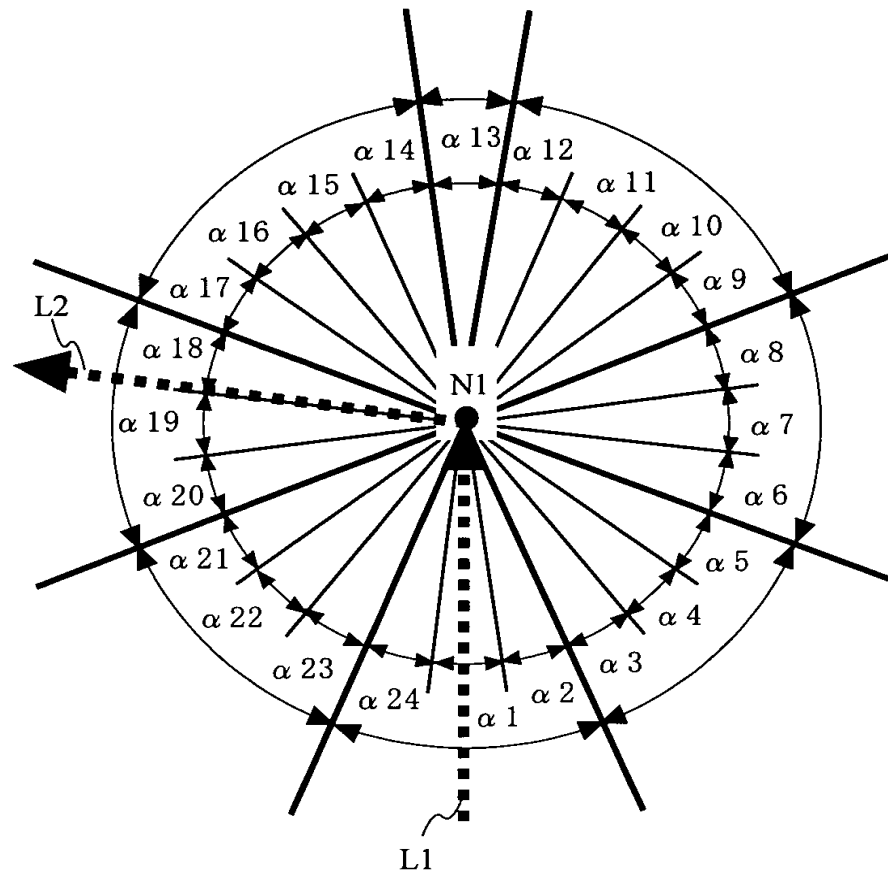


FIG. 15 B

GUIDE DIRECTION TABLE	
ANGULAR RANGE	GUIDE DIRECTION
$\alpha 13$	CHOKUSHIN HOKOU (STRAIGHTFORWARD) (NO GUIDANCE)
$\alpha 14 - \alpha 17$	HIDARI NANAME ZENPOU (DIAGONALLY FORWARD LEFT)
$\alpha 18 - \alpha 20$	HIDARI HOKOU (LEFT)
$\alpha 21 - \alpha 23$	HIDARI NANAME KOUHOU (DIAGONALLY BACKWARD LEFT)
$\alpha 24, \alpha 1, \alpha 2$	U TAAN HOKOU (U-TURN DIRECTION)
$\alpha 3 - \alpha 5$	MIGI NANAME KOUHOU (DIAGONALLY BACKWARD RIGHT)
$\alpha 6 - \alpha 8$	MIGI HOKOU (RIGHT)
$\alpha 9 - \alpha 12$	MIGI NANAME ZENPOU MIGI (DIAGONALLY FORWARD RIGHT)

FIG. 16

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GUIDE TIMING TABLE
AT THE START OF ROUTE GUIDANCE
700M BEFORE GUIDE OBJECT INTERSECTION
300M BEFORE GUIDE OBJECT INTERSECTION
100M BEFORE GUIDE OBJECT INTERSECTION
2KM BEFORE DESTINATION POINT
1KM BEFORE DESTINATION POINT
100M BEFORE DESTINATION POINT
40M BEFORE GUIDE OBJECT INTERSECTION

FIG. 17

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GUIDE CONTENTS TABLE						
GUIDE TIMING		ELEMENT NUMBER (REPRODUCED FROM LEFT TO RIGHT)				
AT THE START OF ROUTE GUIDANCE		1	2			
BEFORE GUIDE OBJECT INTERSECTION	700m	4	10	*j	18	
	300m	4	12	*j	18	
	100m	5	*j	18		
	40m	*j	18			
BEFORE DESTINATION POINT	2km	4	8	14	18	
	1km	4	9	14	18	
	100m	6	14	18	1	3

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